

SPECIFICATION AMENDMENTS

At the end of the application insert the following abstract:

ABSTRACT OF THE DISCLOSURE

~~The present invention provides a~~ A semiconductor optical modulator chiefly used converter
for use principally in an optical communications system and/or an optical information processing
system.

~~————The present invention is characterized in that~~semiconductor optical converter comprises an n-
InP cladding layer (12), an optical waveguide core layer (13), an SI-InP cladding layer (14), and an n-
InP cladding layer (15) ~~are formed sequentially laminated on an SI-InP substrate (11), and~~
characterized in that a voltage is applied from an electrode (16) connected towith the n-InP cladding
layer (15) and ~~from a ground electrode (17) connected to~~with the n-InP cladding layer (12).

~~————The present invention can be used especially~~semiconductor optical converter is especially
applicable as a semiconductor phase modulator or a semiconductor Mach-Zehnder type phase optical
modulator ~~that operates~~ing at a low voltages and ~~having a small~~low waveguide loss.